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State Kigh Scool of Industrial Arts

HIGH SCOOL DEPARTMENT

OF

STATE TEACHERS COLLEGE GREELEY, COLORADO



The Gateway to a Vocation.

Bulletin of the State Teachers College of Colorado

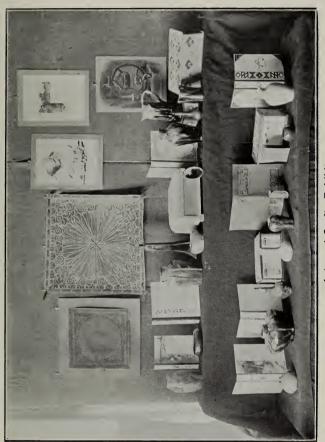
Series XV.

APRIL, 1915

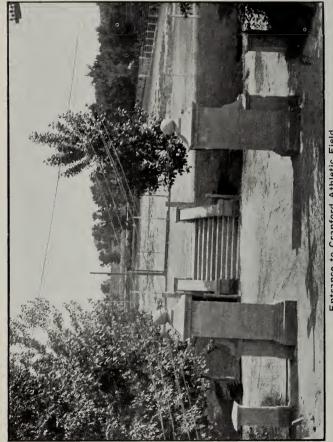
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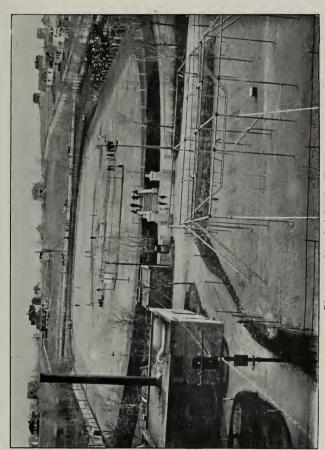
The Industrial Arts Bilding.



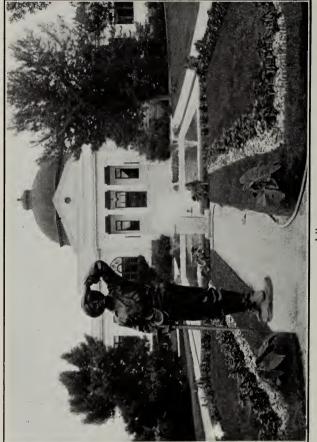
Arts and Crafts Exhibit.



Entrance to Cranford Athletic Field.



Playground and Athletic Field.



Library.

Faculty

Z. X. SNYDER, PH.D., President of the College.

DAVID D. HUGH, A.M., Dean of the Training Scool.

JOHN R. Bell, A.M., Principal of the High Scool, History.

RAE BLANCHARD, A.B., Preceptres, English Literature.

GEO. W. FINLEY, B.S., Mathematics.

LULU HEILMAN, A.B., Typriting and Shorthand.

Frank W. Shultis, A.M., Bookkeeping, Busines English.

EMMA C. DUMKE, A.B., Modern Languages.

MARGARET KEYES, A.B., Fysical Education.

CHARLES H. WITHINGTON, M.S., Agriculture.

NOTE:—The folloing members of the College Faculty teach or supervise classes in the high scool.

James H. Hays, A.M., Vice-President, Dean of College, Latin.

S. M. Hadden, A.M., Dean of Industrial Arts, Manual Arts.

George A. Barker, M.S., Fysiografy.

EDW. B. SMITH, B.S., History.

WALTER ISAACS, B.S., Art.

JOHN C. KENDEL, A.B., Music.

JOHN TH. LISTER, A.B., German.

Francis L. Abbott, A.M., Chemistry.

JOHN F. McCunniff, Pd.M., Printing, Mecanical Drawing.

IDA MARSHALL, B.S., Cooking.

MERLE KISSICK, A.B., Sewing.

CHARLES FOULK, PD.B., Bilding Construction.

MAX SHENK, Bookbinding.

AGNES HOLMES, PD.M., Art.

FELLOWS.

LUCY N. McLANE, English.

DEXTER B. WALKER, Sience.

LORENNA VANDERLIP, Reading.

VERNON McKelvey, Secretary to the President.

Foreword.

The High Scool Department of the State Teachers College is being reorganized along vocational lines and wil be calld in the future The State High Scool of Industrial Arts.

The function of this particular high scool is to stres those courses of study which best prepare for life. Each course offerd is intended to giv a definit kind of efficiency, and to enable yung people to adjust themselvs to the complex problems of American civilization without injury or loss.

The plan is, not to educate the boys and girls away from their homes and local communities, but to prepare them to enter into this life with contentment, enthusiasm, and power. To this end, vocational work is givn a prominent place in the curriculum.

Realizing the importance of caracter bilding as an essential preparation for the duties and responsibilities of life, special emfasis is placed upon ethical training. A constant effort is made to instil high ideals, to develop the habit of painstaking work, and to teach the valu and importance of clean thinking and clean living. The ideal of the scool is to attain a moral tone so excellent that parents can intrust their boys and girls to the care of the faculty with the utmost confidence.



In all publications of this institution is employd the spelling recommended by the Simplified Spelling Board.

Significant Facts.

- 1. The State High Scool of Industrial Arts aims to enrich and enlarge life, and only incidentally to get yung people redy for higher institutions of lerning.
- 2. The courses ar practical. They deal with agriculture, commerce, manual training, home economics, and those subjects which ar most closely related to modern life.
- 3. Capable students ar permitted to make the fifteen units in three years, thus saving a year of time.
 - 4. Students can also save time by utilizing the summer term.
- 5. Pupils can begin work at any time and can complete a course at the end of any term, provided the requisit amount of work is done. The Fall Term begins September 7, 1915. The Winter Term begins November 30, 1915. The Spring Term begins March 8, 1916.
- 6. Individuals who hav three months or more at any season of the year in which they ar not busy with their accustomed duties, can take a course suited to their needs. The period coverd by the winter term is a very convenient one for yung men working on farms.
- 7. Adult students who for any reason were compelld to leave scool at an erly age and who ernestly desire an education, can enter the Ungraded Scool for Adults, where the opportunity wil be givn for rapid and intens work.
- 8. In this scool yung people can do the things they like to do, and the things they believ they can do best, and the things they want to do in life. While great freedom in elective is givn, the faculty insists upon ernest effort and thoro work.
- 9. The State High Scool of Industrial Arts has at its disposal the use of the library (see picture on inside cover), the museums, and the splendid vocational equipment of the State Teachers College. Many of the strong men of the College faculty also teach classes in the high scool.
- 10. It is greatly to the advantage of the high scool to be so closely connected with the Teachers College. The College spirit, enthusiasm and ideals influence the high scool, and it becomes easy and natural for the high scool pupils to enter the College.

Description of Courses.

It is important that each person who is sufficiently interested in this bulletin to read its contents shal be able to get a clear conception of the purposes of the scool, its plan, and the content of its curriculum. To this end, the description of each course, which folloes, is givn with somewhat minute attention to detail.

Department of Commercial Arts.

NINTH YEAR.

Group Electivs-

Course 1. Busines English.

Course 2. Commercial Arithmetic and Bookkeeping.

Course 3. Gen'l Sience, Economic Geografy, Com. History.

Free Electiv Courses

Free Electiv Courses

Vocational-

Joinery. Sewing. Printing. Bookbinding.

Carpentry.

Non-Vocational-Botany I.

> English I. Eng. History I. Algebra I. Span, or Ger. I. Music or Art I.

TENTH YEAR.

Group Electivs-

Course 4. Busines Correspondence, Busines Ethics. Course 5. Adv. Bookkeeping, or Course 6, Stenografy.

Course 7. Typeriting.

Free Electiv Courses

Vocational—

Printing. Agriculture. Cooking.

Bookbinding.

Bldg. Construction.

App. Geom.

Free Electiv Courses

Non-Vocational-

English II.

Amer. History II.

Geom. II.

Span. or Ger. II.

Fysics II. Hygiene II.

Music or Art II.

ELEVENTH YEAR.

Group Electivs-

Course 8. Advertising, Public Speaking, Debate. Course 9. Banking, Finance, Commercial Law.

Course 10. Adv. Shorthand.

Course 11. Typeriting.

Free Electiv Courses Free Electiv Courses

Vocational— Non-Vocational— Agriculture. Eng. III.

Printing. Mod. Europ. History III.
Bookbinding. Span. or Ger. III.
Wood Turning. App. Fysics III.
Home Economics. Comm. Chem. III.

Social Economics. Music or Art III.

SUGGESTIV PROGRAM IN COMMERCIAL ARTS.

Ninth Year	Tenth Year	Eleventh Year
	First Period	
Bus, English	Bus. Correspondence	Public Speaking Advertising Salesmanship
	Second Period	•
Comm. Arith.	Shorthand	Adv. Shorthand
Bookkeeping	Adv. Bookkeeping	Banking and Finance Commercial Law
- . •	Third Period	
Economic Geog.	Typriting	Adv. Typriting
	Fourth Period	
Study Period	Study Period	Study Period
	Fifth Period	
Spanish I	Spanish I	Commercial Chem.
•	Sixth Period	
Carpentry	Agriculture	Social Economics

EXPLANATION.

Subjects listed in the first three periods of each year ar required of commercial students and ar the same as the group electivs, but those in the fifth and sixth periods ar free electivs, and therefore other subjects from the vocational or non-vocational groups of the corresponding year may be substituted for them. When several subjects ar listed in a givn year and period, they wil be studied in the order enumerated during the three terms of said year.

PURPOSE OF THE DEPARTMENT OF COMMERCIAL ARTS.

The purpose of this department is to prepare yung people for busines life. It is intended that they shal be redy to enter commercial establishments, banks, railroad offises, secretaryships, government positions; and that they shal be able to take advantage on their own account of the wider range of opportunities that the ever increasing complexity of American commercial life presents to those who understand the laws of trade, production, consumption, distribution, and ar equipt with the technic of the busines world.



Basket Ball Team.

Department of Home Economics.

NINTH YEAR.

Group Electivs-

Course 1. Machine Sewing, Hand Sewing, Dressmaking.

Course 2. Eng. I, Oral Composition, Ritten Composition.

Course 3. General Sience, Economic Geog., Hygiene.

Free Electiv Courses

Free Electiv Courses

Vocational-

Farm Arithmetic.

Bookbinding.

Agriculture.

Non-Vocational—

Botany I.

Algebra I.

Eng. History I.

Span. or Ger. I. Nature Study I.

Music or Art I.

TENTH YEAR.

Group Electivs-

Course 4. Millinery, Textil Work, Home Decoration.

Course 5. Cooking, Fancy Cooking, Serving.

Course 6. Home Economics, Bookkeeping, Banking, Marketing, Shopping, Storage, Home Management.

Free Electiv Courses

Free Electiv Courses

Vocational-

Applied Design.
Pattern Making.

Agriculture.

Horticulture. Canning.

Non-Vocational-

Eng. II. Geom. II.

Fysics II.

U. S. History II. Music or Art II.

Span. or Ger. II.

ELEVENTH YEAR.

Group Electivs—

Course 7. Inorganic Chemistry, Household Chem., Dietaries. Course 8. History of Eng. Literature, Outlines of American Literature.

Course 9. Social Economics: Organization of Rural Life, Neighborhood Improvement, Social Betterment, Scool as a Social Center, County Agents, Boys' and Girls' Clubs, Government Activity.

Free Electiv Courses Free Electiv Courses Vocational-Non-Vocational-Eng. III. Applied Design. Pattern Making. Mod. Europ. History III. Horticulture. Household Fysics III. Agriculture. Span. or Ger. III. Landscape Gardening. Nature Study III. Adv. Cooking. Music or Art III.

NOTE:—The new domestic sience bilding, which is now being erected, wil afford students of the institution unusual facilities for laboratory work along this line.

SUGGESTIV PROGRAM IN HOME ECONOMICS.

Ninth Year	Tenth Year	Eleventh Year
	First Period	
Machine Sewing.	Millinery.	Inorganic Chem.
Hand Sewing.	Textil Work.	Household Chem.
Dressmaking.	Home Decoration.	Dietaries.
	Second Period	
English I.	Cooking	History of Eng. Lit.
Oral Composition.	'Fancy Cooking.	Outlines of Amer. Lit.
Ritten Composition.	Serving.	English III.
	Third Period	
Study Period.	Study Period.	Study Period.
	Fourth Period	
General Sience.	Home Economics.	Social Economics.
Economic Geog.	'Bookkeeping.	Org. of Rural Life.
Comm. History.	Home Management.	Government Activity.
	Fifth Period	
Agriculture.	Canning.	Landscape Gardening.
	Sixth Period	
Music or Art I.	English History.	Music or Art II.
Span. or Ger. I.	American History.	Span. II or Ger. II.

EXPLANATION.

Subjects listed in the first four periods of each year ar required and ar the same as in the group electivs above, but those in the fifth and sixth periods ar free electivs, and therefore other subjects from the vocational or non-vocational groups of the corresponding year may be substituted for them.

PURPOSE OF THE DEPARTMENT OF HOME ECONOMICS.

Many high scools hav been establisht in varius parts of the United States, designd to giv adequate training in the all-important group of subjects known as the home, or economic, arts. The purpose of this scool is to giv to the girls of Colorado the opportunity of obtaining a similar kind of culture, especially to that group of Colorado girls who expect to become teachers, and who want to kno thoroly those subjects which will enable them to enter the rural life of Colorado and teach with efficiency and power. The pedagogical aspects of the subjects taut will receiv very careful attention.



Cooking.



Garden Products.

Department of Agriculture.

NINTH YEAR.

Group Electivs-

Course 1. Agronomy, Plant Propagation, Gardening.

Course 2. Bus. English, Oral Composition, Debating.

Course 3. Home Economics: Bookkeeping, Banking, Marketing, Shopping, Storage, Home Management.

Free Electiv Courses

Vocational—

Farm Arith.

Joinery. Printing.

Carpentry.

Home Decoration.

Mecanical Drawing.

Free Electiv Courses

Non-Vocational-

Eng. I.

Eng. History I.

Span. or Ger. I.

Gen'l Sience I. Music or Art I.

Music or Art 1

Algebra I.

TENTH YEAR.

Group Electivs-

Course 4. Botany, Plant Fysiology, Plant Diseases.

Course 5. Animal Husbandry, Types and Breeds of Live Stock, Stock Judging, Feeds and Feeding.

Course 6. Rural Economics: Crop Rotation, Seed Selection, Soil Culture, Fertilization.

Free Electiv Courses

Vocational-

Applied Geometry.

Cabinet Making.

Landscape Gardening.

Printing.

Carpentry.

Arc. Drawing.

Free Electiv Courses

Non-Vocational-

Eng. II.

Amer. History II.

Span. or Ger. II.

Geom. II.

Fysics II. Music or Art II.

ELEVENTH YEAR.

Group Electivs-

Course 7. Zoology, Farm Sanitation, Bacteria, Insects.

Course 8. Care of Live Stock, Dairying, Poultry, Canning.

Course 9. Social Economics: Organization of Rural Life, Scool as a Social Center, County Agents, Boys' and Girls' Clubs, Consolidation of Scools, Social Betterment Work.

Free Electiv Courses

Vocational-

Surveying.

Bilding Construction.

Drafting.

Landscape Gardening.

Forestry.

Free Electiv Courses

Non-Vocational-

Eng. III.

Mod. Europ. History III.

Chemistry III.

Adv. Algebra III.

Music or Art III.



Entrance to Greenhouse.

SUGGESTIV PROGRAM IN DEPARTMENT OF AGRICULTURE.

Ninth Year	Tenth Year	Eleventh Year
	First Period	
Agronomy.	Botany.	Zoology.
Plant Propagation	Plant Fysiology.	Bacteria.
Gardening.	Plant Diseases.	Insects.
	Second Period	
Bus. English.	Animal Husbandry.	Care of Live Stock.
Oral Composition.	Stock Judging.	Dairying.
Debating.		Poultry.
	Third Period	
Home Economics.	Rural Economics.	Social Economics.
Bookkeeping.	Crop Rotation.	Org. of Rural Life.
Home Management	Fertilization.	Social Betterment.
	Fourth Period	
Study Period.	Study Period.	Study Period.
	Fifth Period	
Joinery.	Cabinet Making.	Bilding Construction.
	Sixth Period	
Algebra.	Fysics II.	Chemistry.



Elementary Agriculture.

EXPLANATION.

Subjects listed in the first three periods of each year ar required and ar the same as the group elective above, but those in the fifth and sixth periods ar free elective and, therefore, other subjects from the vocational or non-vocational groups of the corresponding year may be substituted for them.

PURPOSE OF THE DEPARTMENT OF AGRICULTURE.

The Department of Agriculture is intended to equip yung people for the vocation of farming. The tendency of high scools in the past, even those situated in farming communities, has been to emfasize those fazes of education which had no vital relation to the farm, and which, if they prepared for anything definit, prepared for city life. Often the boy has been made to feel that all things connected with cuntry life were common and menial. But a new spirit is arising in education, one that recognizes the essential dignity, strength, and independence of life on the farm, and sets about definitely to fit yung men and women for the largest measure of happines and usefulnes in rural life.

Special attention wil be givn to the pedagogical aspects of all subjects taut. Many teachers who enter rural scool work fail to attain the highest possible results, simply because they ar city traind and do not hav a clear knolege of the subjects best suited to the rural scools; and they do not understand how to enter into the dominant interests of rural communities.

Those who ar planning to teach in rural scools can, therefore, use this course to advantage in preparation for the more advanst work of the Teachers College.



A Glimpse of the Garden.

Department of Manual Arts.

NINTH YEAR.

Group Electivs-

Course 1. Joinery, Cabinet Making.

Course 2. Mecanical, Perspectiv, Working Drawing.

Course 3. Busines English, Applied Algebra.

Free Electiv Courses

Free Electiv Courses

Vocational—

Non-Vocational—

Printing.
Agriculture.

Eng. I.

Art Metal.

Eng. History I. Gen'l Sience I.

Bookbinding.

Algebra I. Ger. or Span. I.

Home Decoration.

Music or Art I.

TENTH YEAR.

Group Electivs-

Course 4. Carpentry, Bldg. Construction, Repairs and Job Work.

Course 5. Arcitectural Drawing.

Course 6. Bus, Correspondence, Specifications, App. Geom

Free Electiv Courses

Free Electiv Courses

Vocational—

Non-Vocational-

Applied Design.

Eng. II.

Printing.

Amer. History II.

Agriculture.

Group Electivs-

Fysics II.

Home Economics.

Span. or Ger. II. Music or Art II.

ELEVENTH YEAR.

Course 7. Wood Turning, Pattern Making, Mil Work.

Course &. Machine Drawing, Art Rendering.

Course 9. Social Economics.

Free Electiv Courses

Free Electiv Courses

Vocational—

Non-Vocational—

Printing.
Agriculture.

Eng. III. Chem. III.

Bookbinding.

Comm. Chem. III.

Landscape Gardening.

Ethics III.

Surveying.

Adv. Algebra III. Solid Geom. III.

SUGGESTIV PROGRAM IN MANUAL ARTS.

Ninth Year Tenth Year Eleventh Year First Period Joinery. Carpentry. Wood Turning. Cabinet Making. Bldg. Construction. Pattern Making. Repairs and Job Work Mil Work. Second Period Mechanical Arcitectural. Machine Drawing. Perspectiv. Drawing. Art Rendering. Working Drawing. Third Period Busines English. Bus. Correspondence Social. Applied Algebra. Specifications. Economics. Applied Geometry. Fourth Period General Sience. Geometry II. Chemistry. English I. Fysics II. English II. Fifth Period Study Period. Study Period. Study Period.

Sixth Period

Ger. or Span. I. Ger. or Span. II. English III.

English History. Europ. or Eng. History Europ. or Eng. History



Bilding Construction.

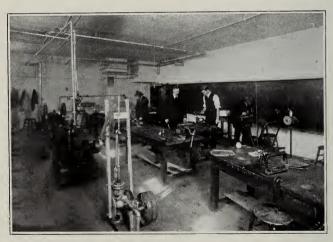
EXPLANATION.

Subjects listed in the first three periods of each year ar required and ar the same as the group elective above, but, those in the fifth and sixth periods ar free electives and therefore other subjects from the vocational or non-vocational groups of the corresponding year may be substituted for them.

PURPOSE OF COURSE.

This course is intended primarily to train the hand and to bring about that correlation between hand and brain which enables the individual to realize in forms of wood and metal the ideal art concepts of the mind.

The training, however, which the course provides in the practical arts is so varied and comprehensiv, including as it does, mecanical, perspectiv and arcitectural drawing, joinery, cabinet making, bilding construction, wood turning, etc., that the individual who desires to become a carpenter, contractor or arcitect wil find that all the work he has done in the manual arts course directly prepares him for such a vocation and that by continued study along any givn line he can perfect himself in his chosen work.



Applied Fysics.

At the present time Manual Training affords great opportunities to aspiring yung men. There is a great demand in all parts of the United States for Manual Training teachers. The subject has been introduced in the grammar scools of all cities and in wel equipt high scools; and many towns of but a few thousand inhabitants employ a supervisor for Manual Training. Numerous calls come to Teachers College from all parts of the West for yung men qualified to fil such positions. The yung man, therefore, who takes a thoro course in Manual Training may rest assured that he wil be able to secure a position.

Those students ar best prepared for positions in Manual Training who take this course in high scool and continue their work along the same lines in The Teachers College.

Department of Literature and History.

The Department of Literature and History is intended for students who want to place emfasis upon English, literature, history, foren languages, Latin, social economics, civics, and related subjects. Electivs wil be allowd, with the approval of the principal, in other branches.

Those who desire to enter Teachers College or other institutions of like rank, wil find themselvs thoroly prepared for the work after having completed this course.

Department of Mathematics and Sience.

The Department of Mathematics and Sience offers adequate opportunities for such students as desire to stres these subjects. Algebra, geometry, trigonometry, wil be taut from the standpoint of applied mathematics. The problems in each of these siences wil be made concrete and related as definitly as possible to the practical affairs of life.

Botany and Zoology wil be presented from the viewpoint of their importance in agriculture. Much attention wil be devoted to applied fysics and household and commercial chemistry. Electivs wil be allowd, with the approval of the principal, in other departments.

Ungraded Scool for Adults.

It often happens that for economic reasons boys and girls ar compelld to leav scool in the grades or in the erly years of high scool. Upon reaching maturity they realize the valu of an education and ar anxious to obtain one, but ar unwilling to enter classes with children. The purpose of this scool is to open the door of opportunity to just such students. The work wil be evaluated according to the strength shown, and the individual wil be classified after sufficient time has elapsed, in accordance with power demonstrated, without the necessity of completing each omitted step.

Requirements for Graduation.

A unit consists of a study taken five times a week for thirty-six weeks, each recitation being forty-five minutes long.

The amount of work to be done is the same as in the four-year high scools, but the time in which the work is to be done may be shortend by ambitius and capable students. This scool does not say to every boy and to every girl: "You can not complete your work in les than four years, no matter how hard you try; no matter how great may be your power of accomplishment, and no matter how excellent the results actually attaind." This old lock-step system, which reduces the aspiring to the same level as the indifferent, and makes no distinction between those who posses high ideals, energy, and honor and those that do not, has been abandoned in behalf of a plan which makes all depend upon the efforts and the caracter of the individual.

Pupils who hav good records for scolarship, who ar mature and who come to scool with a definit purpose of self-improvement, ar permitted to take five subjects (five units) per year. But the individual who takes five subjects and fails to do them wel is immediately reduced to four subjects (four units). This means that strong students may complete the work in three years, but that those who are not able to save the year of time without sacrificing the quality of their work must take a longer time to complete the course. No stigma whatever attaches to the individual who, because of illnes or a desire to do extra work in any givn field, limits the number of subjects and consequently increases the time necessary to graduate. On the other hand the scool holds out no encouragement to pupils who come to scool merely to mark time.

Fees.

Each student who enters the high scool shal pay an incidental fee per term of \$8.00.

This incidental fee is to cover the cost of material and supplies used in the varius departments of the institution in which the student works.

Each student who enters the high scool shal pay a fysical education fee per term of \$2.00. Total, \$10.00.

Accommodations for Yung Men.

Room and board for yung men can be secured at reasonable rates in private homes. Many yung men find work in the city sufficient to pay for part or all of their living expenses.

Accommodations for Girls.

Board and room may be obtaind in private families at a reasonable rate. In order to reduce expenses, girls often form clubs and do light housekeeping.

Students of limited means are able to find homes in which to work for their board and room.

Information.

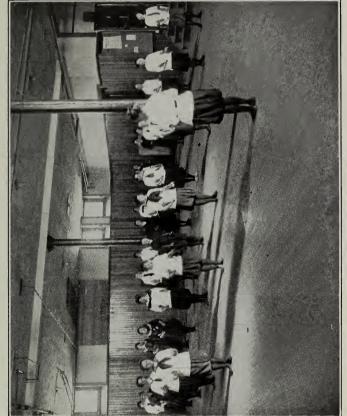
For information not containd in this bulletin addres THE STATE TEACHERS COLLEGE, Greeley, Colorado.



Foot Ball Squad.



Printing.



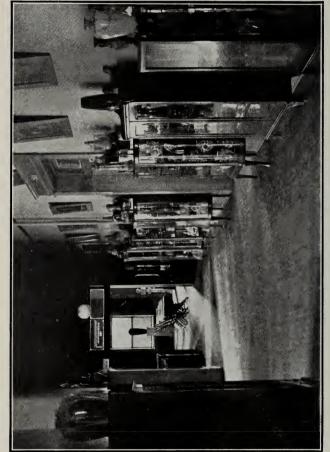
Clas in Fysical Education.



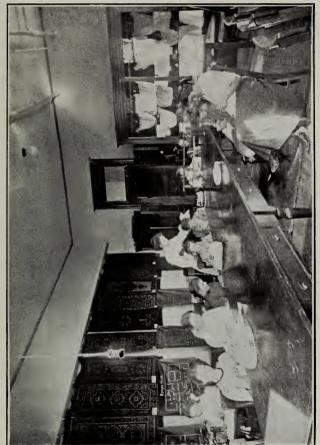
Garments Made by High Scool Pupils.



Clas in Drafting.



The Ceramic Museum.



Sewing Clas.

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THE SUMMER TERM

State High Scool of Industrial Arts

June 21, 1915 to July 30, 1915

Courses wil be offerd in sience, mathematics, English literature, history, modern languages, and those vocational subjects which fit into a wel-rounded high scool course.

The summer scool is one of the newer developments in the educational world, but its succes is alredy assured. It gives the aspiring an opportunity to save time and so shorten the period of preparation for life.

No more beautiful spot is to be found anywhere than the campus of State Teachers College, which is also the home of The State High Scool of Industrial Arts. Why not begin a high scool course this summer, or make progres on the one you hav alredy begun?

No fees wil be charged for the summer term. Full credit wil be givn for work done.



For further information write

THE STATE TEACHERS COLLEGE, GREELEY, COLORADO.